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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: H. NITTA et al.  
Serial No.: Not Yet Assigned  
Reissue of U.S. Patent No. 5,774,106  
Filed: June 2, 1999  
For: LIQUID CRYSTAL DRIVER AND LIQUID CRYSTAL  
DISPLAY DEVICE USING THE SAME  
Art Unit: 2774 (Anticipated)  
Examiner: X. Wu (Anticipated)  
Attention: Initial Patent Examination Division  
Office of Initial Patent Examination

REISSUE DECLARATION AND POWER OF ATTORNEY  
AND OFFER TO SURRENDER PATENT

Box Missing Parts  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

As a below-named inventor, I hereby declare that:

(1) My residence, post office address, and citizenship are  
stated below under my name.

(2) I believe I am an original, first, and joint inventor of  
the subject matter which is described and claimed in U.S.  
Patent No. 5,774,106 ("the original patent") issued on June  
30, 1998, and for which a reissue patent is sought on the  
invention entitled LIQUID CRYSTAL DRIVER AND LIQUID CRYSTAL  
DISPLAY DEVICE USING THE SAME, the specification of which was

filed on June 2, 1999, as reissue application Serial No.  
\_\_\_\_\_ ("the reissue application").

(3) I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

(4) I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

(5) I believe the original patent to be wholly or partly inoperative or invalid by reason of the patentees claiming more or less than the patentees had the right to claim in the original patent.

(6) At least one error of the patentees claiming more or less than the patentees had the right to claim in the original patent upon which reissue is based is the recitation in claim 1 of the original patent of "simultaneously generates two different display voltages from the selected display voltage level" and the failure in the claims of the original patent to claim the subject matter of the invention as recited in new independent claim 17 of the reissue application which sets forth:

17.       A liquid crystal display device comprising:

          a liquid crystal panel having a plurality of columns and a plurality of rows for displaying an image in accordance with display data; and

          a data driver coupled to said liquid crystal panel, said data driver having an input terminal and a plurality of output terminals, each of said output terminals corresponding to each of at least a part of said columns of said liquid crystal panel, said data driver including

              a generator for generating a plurality of display voltages, said display voltages including a set of positive and negative polarity gray scale voltages corresponding to each of gray scales,

              a selector for selecting one of said plurality of display voltages in accordance with each of said display data and a horizontal position of each of said output terminals corresponding to each of said display data, and

              an output circuit for outputting said selected one of said display voltages to said each of said output terminals;

          wherein two of said selected one of said display voltages which correspond to adjacent two of said output terminals have different polarity.

(7) All errors which are being corrected in the present reissue application up to the time of the filing of this reissue declaration arose without any deceptive intention on my part.

(8) I hereby reaffirm the claim for foreign priority benefits under 35 USC 119 of the following patent applications filed in Japan which was made in the original patent:

Application No. 6-138499 filed on June 21, 1994  
Application No. 6-170696 filed on July 22, 1994

(9) I hereby offer to surrender the original letters patent of U.S. Patent No. 5,774,106.

(10) As a named inventor, I hereby appoint the following attorneys to prosecute the present reissue application and any related U.S. and international applications, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

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(12) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001, and that such willful false statements may jeopardize the validity of the present reissue application, any patent issuing thereon, or any patent to which this reissue declaration is directed.

July 6, 1999  
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